

**ABSTRACT**

An apparatus is provided capable of wirelessly receiving an RF signal having a modulation frequency outside the AM and FM band and containing baseband audio content, such as Internet audio content, converting the signal to an RF modulated signal having a modulation frequency within the AM and/or FM band, and transmitting the RF modulated signal having a modulation frequency within the AM and/or FM band to a conventional AM/FM radio or stereo equipment to audibly reproduce the baseband audio content. The apparatus is also capable of receiving a hardwired signal including audio content, such as an Internet audio signal, modulate the audio content to an RF modulated signal having a modulation frequency within the AM and/or FM band, and transmitting the RF modulated signal to a conventional AM/FM radio or stereo equipment to audibly reproduce the audio content.